

Sequence Listing

<110> Botstein,David

Desnoyers,Luc

Ferrara,Napoleone

Fong,Sherman

Gao,Wei-Qiang

Goddard,Audrey

Gurney,Austin L.

Pan,James

Roy,Margaret Ann

Stewart,Timothy A.

Tumas,Daniel

Watanabe,Colin K.

Wood,William I.

<120> Secreted and Transmembrane Polypeptides and Nucleic
Acids Encoding the Same

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Phe Val Pro Arg Pro His Thr Ala Pro Leu Gly Gly Ala His Ala
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His Val Leu Gly Met Val Pro Pro Ala Cys Leu Pro Gly Asp Glu
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Val Gly Ser Glu Gln Arg Gly Glu Gln Val Thr Asn Gly Arg Glu
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Pro Pro Ala Thr	Ala Ser Glu Trp Arg	Leu Ala Gln Ala Gln	Gln
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Glu Thr Arg Asp Leu Val His Ala Pro Leu Pro Leu Thr Trp Lys
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Arg Ser Ser Leu Cys Gly Glu Glu Gln Gly Ser Pro Glu Glu Leu
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Asn Thr Ser Cys Asp Ser Gly Leu Gly Cys Gln Asp Thr Leu Met
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Gly	Thr	Cys	Thr	Pro	Val	Gln	Leu	Val	Ala	Leu	Ile	Arg	His	Gly
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Thr Ala Tyr Asn Tyr Lys Lys Gln Met	His Arg Lys Phe Arg Ser	
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<212> PRT
<213> Homo sapiens

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35 40 45
Asp Thr Ser Glu Glu Ala Leu Leu Leu Pro Asp Trp Leu Lys Leu
50 55 60
Arg Met Ile Arg Ser Glu Val Leu Arg Leu Val Asp Ala Ala Leu
65 70 75
Gln Asp Leu Glu Pro Gln Gln Leu Leu Leu Phe Val Gln Ser Phe
80 85 90
Gly Ile Pro Val Ser Ser Met Ser Lys Leu Leu Gln Phe Leu Asp
95 100 105

Gln Ala Val Ala His Asp Pro Gln Thr Leu Glu Gln Asn Ile Met	110	115	120
Asp Lys Asn Tyr Met Ala His Leu Val Glu Val Gln His Glu Arg	125	130	135
Gly Ala Ser Gly Gly Gln Thr Phe His Ser Leu Leu Thr Ala Ser	140	145	150
Leu Pro Pro Arg Arg Asp Ser Thr Glu Ala Pro Lys Pro Lys Ser	155	160	165
Ser Pro Glu Gln Pro Ile Gly Gln Gly Arg Ile Arg Val Gly Thr	170	175	180
Gln Leu Arg Val Leu Gly Pro Glu Asp Asp Leu Ala Gly Met Phe	185	190	195
Leu Gln Ile Phe Pro Leu Ser Pro Asp Pro Arg Trp Gln Ser Ser	200	205	210
Ser Pro Arg Pro Val Ala Leu Ala Leu Gln Gln Ala Leu Gly Gln	215	220	225
Glu Leu Ala Arg Val Val Gln Gly Ser Pro Glu Val Pro Gly Ile	230	235	240
Thr Val Arg Val Leu Gln Ala Leu Ala Thr Leu Leu Ser Ser Pro	245	250	255
His Gly Gly Ala Leu Val Met Ser Met His Arg Ser His Phe Leu	260	265	270
Ala Cys Pro Leu Leu Arg Gln Leu Cys Gln Tyr Gln Arg Cys Val	275	280	285
Pro Gln Asp Thr Gly Phe Ser Ser Leu Phe Leu Lys Val Leu Leu	290	295	300
Gln Met Leu Gln Trp Leu Asp Ser Pro Gly Val Glu Gly Gly Pro	305	310	315
Leu Arg Ala Gln Leu Arg Met Leu Ala Ser Gln Ala Ser Ala Gly	320	325	330
Arg Arg Leu Ser Asp Val Arg Gly Gly Leu Leu Arg Leu Ala Glu	335	340	345
Ala Leu Ala Phe Arg Gln Asp Leu Glu Val Val Ser Ser Thr Val	350	355	360
Arg Ala Val Ile Ala Thr Leu Arg Ser Gly Glu Gln Cys Ser Val	365	370	375
Glu Pro Asp Leu Ile Ser Lys Val Leu Gln Gly Leu Ile Glu Val	380	385	390
Arg Ser Pro His Leu Glu Glu Leu Leu Thr Ala Phe Phe Ser Ala			

395	400	405
Thr Ala Asp Ala Ala Ser Pro Phe Pro	Ala Cys Lys Pro Val Val	
410	415	420
Val Val Ser Ser Leu Leu Leu Gln Glu	Glu Glu Pro Leu Ala Gly	
425	430	435
Gly Lys Pro Gly Ala Asp Gly Gly Ser	Leu Glu Ala Val Arg Leu	
440	445	450
Gly Pro Ser Ser Gly Leu Leu Val Asp	Trp Leu Glu Met Leu Asp	
455	460	465
Pro Glu Val Val Ser Ser Cys Pro Asp	Leu Gln Leu Arg Leu Leu	
470	475	480
Phe Ser Arg Arg Lys Gly Lys Gly Gln	Ala Gln Val Pro Ser Phe	
485	490	495
Arg Pro Tyr Leu Leu Thr Leu Phe Thr	His Gln Ser Ser Trp Pro	
500	505	510
Thr Leu His Gln Cys Ile Arg Val Leu	Leu Gly Lys Ser Arg Glu	
515	520	525
Gln Arg Phe Asp Pro Ser Ala Ser Leu	Asp Phe Leu Trp Ala Cys	
530	535	540
Ile His Val Pro Arg Ile Trp Gln Gly	Arg Asp Gln Arg Thr Pro	
545	550	555
Gln Lys Arg Arg Glu Glu Leu Val Leu	Arg Val Gln Gly Pro Glu	
560	565	570
Leu Ile Ser Leu Val Glu Leu Ile Leu	Ala Glu Ala Glu Thr Arg	
575	580	585
Ser Gln Asp Gly Asp Thr Ala Ala Cys	Ser Leu Ile Gln Ala Arg	
590	595	600
Leu Pro Leu Leu Leu Ser Cys Cys Cys	Gly Asp Asp Glu Ser Val	
605	610	615
Arg Lys Val Thr Glu His Leu Ser Gly	Cys Ile Gln Gln Trp Gly	
620	625	630
Asp Ser Val Leu Gly Arg Arg Cys Arg	Asp Leu Leu Leu Gln Leu	
635	640	645
Tyr Leu Gln Arg Pro Glu Leu Arg Val	Pro Val Pro Glu Val Leu	
650	655	660
Leu His Ser Glu Gly Ala Ala Ser Ser	Ser Val Cys Lys Leu Asp	
665	670	675
Gly Leu Ile His Arg Phe Ile Thr Leu	Leu Ala Asp Thr Ser Asp	
680	685	690

Ser Arg Ala Leu	Glu Asn Arg Gly Ala	Asp Ala Ser Met Ala Cys
695	700	705
Arg Lys Leu Ala	Val Ala His Pro Leu	Leu Leu Leu Arg His Leu
710	715	720
Pro Met Ile Ala	Ala Leu Leu His Gly	Arg Thr His Leu Asn Phe
725	730	735
Gln Glu Phe Arg	Gln Gln Asn His Leu	Ser Cys Phe Leu His Val
740	745	750
Leu Gly Leu Leu	Glu Leu Leu Gln Pro	His Val Phe Arg Ser Glu
755	760	765
His Gln Gly Ala	Leu Trp Asp Cys Leu	Leu Ser Phe Ile Arg Leu
770	775	780
Leu Leu Asn Tyr	Arg Lys Ser Ser Arg	His Leu Ala Ala Phe Ile
785	790	795
Asn Lys Phe Val	Gln Phe Ile His Lys	Tyr Ile Thr Tyr Asn Ala
800	805	810
Pro Ala Ala Ile	Ser Phe Leu Gln Lys	His Ala Asp Pro Leu His
815	820	825
Asp Leu Ser Phe	Asp Asn Ser Asp Leu	Val Met Leu Lys Ser Leu
830	835	840
Leu Ala Gly Leu	Ser Leu Pro Ser Arg	Asp Asp Arg Thr Asp Arg
845	850	855
Gly Leu Asp Glu	Glu Gly Glu Glu Glu	Ser Ser Ala Gly Ser Leu
860	865	870
Pro Leu Val Ser	Val Ser Leu Phe Thr	Pro Leu Thr Ala Ala Glu
875	880	885
Met Ala Pro Tyr	Met Lys Arg Leu Ser	Arg Gly Gln Thr Val Glu
890	895	900
Asp Leu Leu Glu	Val Leu Ser Asp Ile	Asp Glu Met Ser Arg Arg
905	910	915
Arg Pro Glu Ile	Leu Ser Phe Phe Ser	Thr Asn Leu Gln Arg Leu
920	925	930
Met Ser Ser Ala	Glu Glu Cys Cys Arg	Asn Leu Ala Phe Ser Leu
935	940	945
Ala Leu Arg Ser	Met Gln Asn Ser Pro	Ser Ile Ala Ala Ala Phe
950	955	960
Leu Pro Thr Phe	Met Tyr Cys Leu Gly	Ser Gln Asp Phe Glu Val
965	970	975
Val Gln Thr Ala	Leu Arg Asn Leu Pro	Glu Tyr Ala Leu Leu Cys

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gcacgtgggc	actcactcct	cgctggctgg	caagatccag	aaactgaagg	1200
acaaagactt	tggaaagcag	gcgctgcgga	aggagcatgt	gaacccgcc	1250
gcagaggtga	gcacgagcct	gaagacatac	cagcacttca	ccctggagaa	1300
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caggcggccc	ccacactgtg	cctgaggccc	ggaaccgttc	gcacccggcc	1950
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tctggcgcg	acactggaat	gcatatacta	ctttatgtgc	tgtgtttttt	2050
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<210> 24
<211> 548
<212> PRT
<213> Homo sapiens
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Leu  Cys  Ala  Phe  Leu  Ser  Leu  Ser  Trp  Tyr  Ala  Ala  Leu  Ser  Gly
             20             25             30

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Gln Lys Gly Asp Val Val Asp Val Tyr Gln Arg Glu Phe Leu Ala
35 40 45

Leu Arg Asp Arg Leu His Ala Ala Glu Gln Glu Ser Leu Lys Arg
50 55 60

Ser Lys Glu Leu Asn Leu Val Leu Asp Glu Ile Lys Arg Ala Val
65 70 75

Ser Glu Arg Gln Ala Leu Arg Asp Gly Asp Gly Asn Arg Thr Trp
80 85 90

Gly Arg Leu Thr Glu Asp Pro Arg Leu Lys Pro Trp Asn Gly Ser
95 100 105

His Arg His Val Leu His Leu Pro Thr Val Phe His His Leu Pro
110 115 120

His Leu Leu Ala Lys Glu Ser Ser Leu Gln Pro Ala Val Arg Val
125 130 135

Gly Gln Gly Arg Thr Gly Val Ser Val Val Met Gly Ile Pro Ser
140 145 150

Val Arg Arg Glu Val His Ser Tyr Leu Thr Asp Thr Leu His Ser
155 160 165

Leu Ile Ser Glu Leu Ser Pro Gln Glu Lys Glu Asp Ser Val Ile
170 175 180

Val Val Leu Ile Ala Glu Thr Asp Ser Gln Tyr Thr Ser Ala Val
185 190 195

Thr Glu Asn Ile Lys Ala Leu Phe Pro Thr Glu Ile His Ser Gly
200 205 210

Leu Leu Glu Val Ile Ser Pro Ser Pro His Phe Tyr Pro Asp Phe
215 220 225

Ser Arg Leu Arg Glu Ser Phe Gly Asp Pro Lys Glu Arg Val Arg
230 235 240

Trp Arg Thr Lys Gln Asn Leu Asp Tyr Cys Phe Leu Met Met Tyr
245 250 255

Ala Gln Ser Lys Gly Ile Tyr Tyr Val Gln Leu Glu Asp Asp Ile
260 265 270

Val Ala Lys Pro Asn Tyr Leu Ser Thr Met Lys Asn Phe Ala Leu
275 280 285

Gln Gln Pro Ser Glu Asp Trp Met Ile Leu Glu Phe Ser Gln Leu
290 295 300

Gly Phe Ile Gly Lys Met Phe Lys Ser Leu Asp Leu Ser Leu Ile
305 310 315

Val Glu Phe Ile Leu Met Phe Tyr Arg Asp Lys Pro Ile Asp Trp

320	325	330
Leu Leu Asp His Ile Leu Trp Val Lys Val Cys Asn Pro Glu Lys		
335	340	345
Asp Ala Lys His Cys Asp Arg Gln Lys Ala Asn Leu Arg Ile Arg		
350	355	360
Phe Lys Pro Ser Leu Phe Gln His Val Gly Thr His Ser Ser Leu		
365	370	375
Ala Gly Lys Ile Gln Lys Leu Lys Asp Lys Asp Phe Gly Lys Gln		
380	385	390
Ala Leu Arg Lys Glu His Val Asn Pro Pro Ala Glu Val Ser Thr		
395	400	405
Ser Leu Lys Thr Tyr Gln His Phe Thr Leu Glu Lys Ala Tyr Leu		
410	415	420
Arg Glu Asp Phe Phe Trp Ala Phe Thr Pro Ala Ala Gly Asp Phe		
425	430	435
Ile Arg Phe Arg Phe Phe Gln Pro Leu Arg Leu Glu Arg Phe Phe		
440	445	450
Phe Arg Ser Gly Asn Ile Glu His Pro Glu Asp Lys Leu Phe Asn		
455	460	465
Thr Ser Val Glu Val Leu Pro Phe Asp Asn Pro Gln Ser Asp Lys		
470	475	480
Glu Ala Leu Gln Glu Gly Arg Thr Ala Thr Leu Arg Tyr Pro Arg		
485	490	495
Ser Pro Asp Gly Tyr Leu Gln Ile Gly Ser Phe Tyr Lys Gly Val		
500	505	510
Ala Glu Gly Glu Val Asp Pro Ala Phe Gly Pro Leu Glu Ala Leu		
515	520	525
Arg Leu Ser Ile Gln Thr Asp Ser Pro Val Trp Val Ile Leu Ser		
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Glu Ile Phe Leu Lys Lys Ala Asp		
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<400> 31

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<211> 23

<212> DNA

<213> Artificial Sequence

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<223> Synthetic Oligonucleotide Probe

<400> 32

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<210> 33

<211> 18

<212> DNA

<213> Artificial Sequence

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<223> Synthetic Oligonucleotide Probe

<400> 33

gtccagcaag ccctcatt 18

<210> 34

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Oligonucleotide Probe

<400> 34

cttctgggcc acagccctgc 20

<210> 35

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<212> DNA

<213> Artificial Sequence

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<223> Synthetic Oligonucleotide Probe

<400> 35

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<211> 19

<212> DNA

<213> Artificial Sequence

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<223> Synthetic Oligonucleotide Probe

<400> 36

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<210> 37

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Oligonucleotide Probe

<400> 37

cgggcgccca agtaaaagct c 21

<210> 38

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Oligonucleotide Probe

<400> 38

cataaagtag tatatgcatt ccagtgtt 28